

Japan-Singapore Workshop on Nanophotonics, Plasmonics, and Metamaterials

Thursday 11 Dec 2014		Friday 12 Dec 2014	
8:00	Registration (Coffee & Tea) SPMS-LT3, NTU	8:00	Coffee and Tea SPMS-LT3, NTU
8:30	Opening Address by NTU Provost, Prof. Freddy Boey		Chair: Prof. Satoshi Kawata
	Chair: Prof. Nikolay Zheludev	8:30	Surface plasmon polariton control with metasurfaces <i>Federico Capasso, Harvard University (Vis Prof. NTU, Singapore)</i>
8:40	Light produces a nano-forest of trees as metamaterials <i>Satoshi Kawata, Osaka University, Japan</i>	8:55	Observation of Cancer Cell Activities Using Structured Illumination Nano-profilometry <i>Chau-Hwang Lee, Academia Sinica, Taiwan</i>
9:05	Scattering of light by nanostructures with high refractive index <i>Boris Lukiyanchuk, A*STAR, Singapore</i>	9:20	Graphene and TMD 2D materials <i>Zexiang Shen, NTU, Singapore</i>
9:30	Polarization in Tip-Enhanced Raman Scattering <i>Prabhat Verma, Osaka University, Japan</i>	9:45	Superresolution imaging based on nonlinearities of plasmonic scattering <i>Shi-Wei Chu, National Taiwan University, Taiwan (arrives on 11th afternoon)</i>
9:55	Deep subwavelength structures for improved focusing and OAM scaling <i>Jinghua Teng, A*STAR, Singapore</i>	10:10	Liquid-like plasmonic waves on graphene <i>Baile Zhang, NTU, Singapore</i>
10:20	Functional nano-metal for bio-sensing and imaging <i>Yasushi Inouye, Osaka University, Japan</i>	10:35	Break
10:45	Break		Chair: Prof. Zexiang Shen
	Chair: Prof. Prabhat Verma	11:00	Metamaterial Absorber for Infrared Detection of Molecular Self-Assembled Monolayers <i>Atsushi Ishikawa, Okayama University, Japan</i>
11:15	Coherent control of Metamaterials <i>Nikolay Zheludev, NTU, Singapore</i>	11:25	Microwave network analogs of topological insulators <i>Yidong Chong, NTU, Singapore</i>
11:40	Electrochemical luminescence based biosensors coupling with nanomaterials <i>Eiichi Tamiya, Osaka University, Japan</i>	11:50	Isotropic Metamaterials <i>Takuo Tanaka, RIKEN, Japan</i>
12:05	Cognitive Photonics @CDPT <i>Cesare Soci, NTU, Singapore</i>	12:15	Optical Properties of Organic-Inorganic Perovskite Nanoplatelet Crystals and Nano Lasers <i>Qihua Xiong, NTU, Singapore</i>
12:30	Thermal Radiation Emitter by Metasurface and Metafilament <i>Junichi Takahara, Osaka University, Japan</i>	12:40	Control and identification of SERS signals in biological targets <i>Nicholas Smith, Osaka University, Japan</i>
12:55	Nanoplasmonics in the TEM <i>Michel Bosman, A*STAR, Singapore</i>	13:05	Lunch Break & Posters
13:20	Lunch Break & Posters		Chair: Prof. Federico Capasso
	Chair: Boris Lukiyanchuk	14:05	Dynamic SERS imaging of intracellular molecules <i>Katsumasa Fujita, Osaka University, Japan</i>
15:15	TBC <i>Makoto Gonokami, University of Tokyo, Japan</i>	14:30	In Vivo Super-Resolution Imaging in Deep Tissues <i>Chi-Kuang Sun, National Taiwan University, Taiwan</i>
15:40	An atom/ surface metamaterial hybrid device <i>David Wilkowski, NTU Singapore</i>	14:55	Tunable chalcogenide photonics <i>Robert Simpson, SUTD, Singapore</i>
		15:20	Optofluidic Metamaterial and Metasurface <i>Ai-Qun Liu, NTU Singapore</i>
		15:45	Break
			Chair: Prof. Prabhat Verma
		16:15	Subwavelength resolution with insulator-metal and graphene planar structures <i>Yung-Chiang Lan, National Cheng Kung University, Taiwan</i>
		16:40	Printing Colors With Metallic Nanostructures <i>Joel K. W. Yang, A*STAR, Singapore</i>